

AMENDMENTS TO THE CLAIMS

Claims 1 to 22 (Canceled)

23 (Currently Amended). A method comprising

identifying an aorta having a aneurysm and a neck region proximal to the aneurysm and adjacent a renal artery,

providing a first prosthesis comprising a first trunk including a fabric prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the first trunk, the first trunk being sized and configured for placement in the neck region to provide reinforcement to the neck region, the first trunk including a ~~reinforced~~-proximal region, and a ~~reinforced~~-distal region, ~~and an intermediate region between the proximal reinforced region and the distal reinforced region~~, the prosthetic material of the ~~reinforced~~-proximal region and the ~~reinforced~~-distal region being ~~more~~ dense ~~than the prosthetic material of the intermediate region~~ to reinforce the ~~reinforced~~-proximal region and the ~~reinforced~~-distal region,

providing a second prosthesis comprising a second trunk including a fabric prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the second trunk, the second trunk being sized and configured for placement in the aneurysm to bridge the aneurysm, the second trunk including a proximal region and a distal region,

providing ~~at least one~~ a plurality of tissue-piercing fastener fasteners,

providing an intraluminal fastener attachment assembly that can be manipulated to implant ~~the~~ ~~at least one~~ of the plurality of tissue-piercing fastener fasteners into tissue,

deploying the first prosthesis in the neck region with the ~~reinforced~~-proximal region placed adjacent a renal artery and the ~~reinforced~~-distal region placed adjacent the aneurysm,

deploying the second prosthesis in the aneurysm,

telescopically fitting the ~~reinforced~~-distal region of the first trunk and the proximal region of the second trunk to form a composite prosthesis, the ~~reinforced~~-distal region of the first trunk resisting migration of the second trunk, and

manipulating the intraluminal fastener attachment assembly to implant ~~the~~ ~~at least one~~ of the plurality of tissue-piercing fastener fasteners into tissue in the neck region through the ~~reinforced~~ proximal region of at least one of the first trunk and the second trunk to anchor the composite

prosthesis, the tissue-piercing fastener being retained in the ~~reinforced~~-proximal region of the at least one of the first trunk and the second trunk, and

manipulating the intraluminal fastener attachment assembly to implant another of the plurality of tissue-piercing fasteners into tissue in the neck region through the telescopically fitted distal region of the first trunk and the proximal region of the second trunk to anchor the composite prosthesis, the tissue-piercing fastener being retained in the telescopically fitted distal region of the first trunk and the proximal region of the second trunk.

Claims 24 to 27 (Canceled)

28 (Currently Amended). A method according to claim 23

wherein at least one of the plurality of tissue-piercing fastener fasteners comprises a helical tissue-piercing fastener.

Claims 29 and 30 (Canceled).

31 (Currently Amended). A method according to claim 23

wherein at least one of the ~~reinforced~~-proximal and distal regions of the first trunk includes auxiliary fluoroscopic markers to fluoroscopically indicate the at least one ~~reinforced~~-region, and

further including fluoroscopically viewing the auxiliary fluoroscopic markers to fluoroscopically identify the at least one ~~reinforced~~-region.

32 (Currently Amended). A method comprising

identifying an aorta having a aneurysm and a neck region proximal to the aneurysm and adjacent a renal artery,

providing a first prosthesis comprising a first trunk including a fabric prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the first trunk, the first trunk being sized and configured for placement in the neck region to provide reinforcement to the neck region, the first trunk including a ~~reinforced~~-proximal region, and a ~~reinforced~~-distal region, and an intermediate region between the proximal ~~reinforced~~-region and the distal ~~reinforced~~-region, the scaffold of the ~~reinforced~~-proximal region and the ~~reinforced~~-distal region being ~~more~~ dense than the scaffold of the intermediate region to reinforce the ~~reinforced~~-proximal region and the ~~reinforced~~-distal region,

providing a second prosthesis comprising a second trunk including a fabric prosthetic material and a scaffold that supports the prosthetic material to define a lumen within the second

trunk, the second trunk being sized and configured for placement in the aneurysm to bridge the aneurysm, the second trunk including a proximal region and a distal region,

providing ~~at least one~~ a plurality of tissue-piercing ~~fastener~~ fasteners,

providing an intraluminal fastener attachment assembly that can be manipulated to implant ~~the~~ at least one of the plurality of tissue-piercing ~~fastener~~ fasteners into tissue,

deploying the first prosthesis in the neck region with the ~~reinforced~~ proximal region placed adjacent a renal artery and the ~~reinforced~~ distal region placed adjacent the aneurysm,

deploying the second prosthesis in the aneurysm,

telescopically fitting the ~~reinforced~~ distal region of the first trunk and the proximal region of the second trunk to form a composite prosthesis, the ~~reinforced~~ distal region of the first trunk resisting migration of the second trunk, ~~and~~

manipulating the intraluminal fastener attachment assembly to implant ~~the~~ at least one of the plurality of tissue-piercing ~~fastener~~ fasteners into tissue in the neck region through the ~~reinforced~~ proximal region of at least one of the first trunk and the second trunk to anchor the composite prosthesis, the tissue-piercing fastener being retained in the ~~reinforced~~ proximal region of the at least one of the first trunk and the second trunk, ~~and~~

manipulating the intraluminal fastener attachment assembly to implant another of the at least one of a plurality of tissue-piercing fasteners into tissue in the neck region through the telescopically fitted distal region of the first trunk and the proximal region of the second trunk to anchor the composite prosthesis, the tissue-piercing fastener being retained in the telescopically fitted distal region of the first trunk and the proximal region of the second trunk.

33 (Currently Amended). A method according to claim 32

wherein at least one of the plurality of tissue-piercing ~~fastener~~ fasteners comprises a helical tissue-piercing fastener.

34 (Currently Amended). A method according to claim 32

wherein at least one of the ~~reinforced~~ proximal and distal regions of the first trunk includes auxiliary fluoroscopic markers to fluoroscopically indicate the at least one ~~reinforced~~ region, ~~and~~

Further including fluoroscopically viewing the auxiliary fluoroscopic markers to fluoroscopically identify the at least one ~~reinforced~~ region.

Claim 35 (New). A method according to claim 23

wherein the telescopically fitting step is performed after the step of manipulating the intraluminal fastener attachment assembly to implant at least one of the plurality of tissue-piercing fasteners into tissue in the neck region through the proximal region of at least one of the first trunk and the second trunk.

Claim 36 (New). A method according to claim 23

further including manipulating the intraluminal fastener attachment assembly to implant another of the plurality of tissue-piercing fasteners into tissue in the neck region through the distal region of the first trunk to anchor the composite prosthesis, the tissue-piercing fastener being retained in the distal region of the first trunk.

Claim 37 (New). A method according to claim 32

wherein the telescopically fitting step is performed after the step of manipulating the intraluminal fastener attachment assembly to implant at least one of the plurality of tissue-piercing fasteners into tissue in the neck region through the proximal region of at least one of the first trunk and the second trunk.

Claim 38 (New). A method according to claim 32

further including manipulating the intraluminal fastener attachment assembly to implant another of the plurality of tissue-piercing fasteners into tissue in the neck region through the distal region of the first trunk to anchor the composite prosthesis, the tissue-piercing fastener being retained in the distal region of the first trunk.